



**NASA Advisory Council Technology, Innovation, and Engineering Committee
DRAFT Meeting Agenda
December 15, 2022
NASA Marshall Space Flight Center
Building 4203, Conference Room 1201
Webex Meeting Number: 2762 766 0883; Meeting Password: n@cTIE121522
Dial-in Toll Number: +1-415-527-5035***

December 15 – FACA Public Meeting, Virtual

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| 8:30 a.m. | Overview of Agenda/Logistics
Mr. Mike Green, Executive Secretary |
| 8:35 a.m. | Opening Remarks
Mr. Michael Johns, Chair |
| 8:40 a.m. | Welcome to NASA's Marshall Space Flight Center (MSFC)
Ms. Jody Singer, Director, NASA Marshall |
| 9:00 a.m. | Space Technology Mission Directorate (STMD) Update
Mr. James Reuter, Associate Administrator, STMD |
| 10:00 a.m. | NASA Nuclear Systems Update
Dr. Anthony Calomino, Space Nuclear Technologies Lead, STMD
Mr. Jason Turpin, Project Manager, Space Nuclear Propulsion, MSFC |
| 11:00 a.m. | Break |
| 11:10 a.m. | Technology Demonstration Missions: Cryogenic Fluid Management and Low-Earth Orbit Flight Test of an Inflatable Decelerator Updates
Ms. Trudy Kortess, Director of Technology Demonstrations, STMD
Ms Tawnya Laughinghouse, Program Manager, TDM Program, MSFC
Mr. Jason Adam, CFM project, MSFC |
| 12:10 p.m. | Lunch |
| 1:00 p.m. | Office of the Chief Engineer (OCE) Update
Mr. Joe Pellicciotti, NASA Deputy Chief Engineer |
| 1:30 p.m. | Early Career Initiative Researcher Presentations
Lunar Thermal Regulation for Mission Sustainability (TheRMiS), Will Johnson, MSFC
Kinematic Navigation and Cartography Knapsack (KNaCK), Michael Zanetti, MSFC |

- 2:15 p.m. Moon-to-Mars Planetary Autonomous Construction Technology (MMPACT) and
Advanced Manufacturing Update
Mr. John Vickers, Principal Technologist for Advanced Manufacturing
- 3:15 p.m. Break
- 3:30 p.m. Discussion, Findings, and Recommendations
- 4:45 p.m. Adjournment

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